

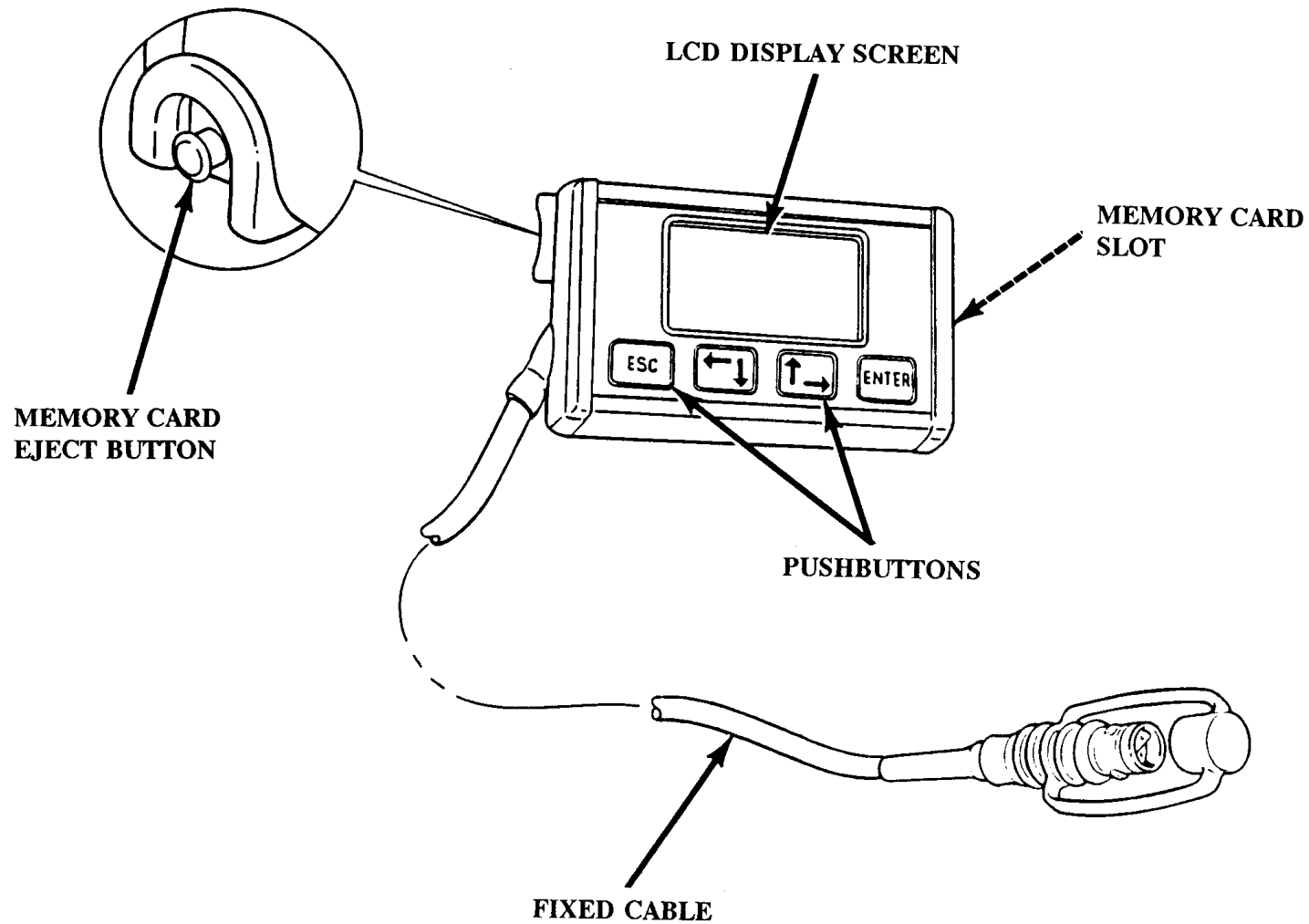
REASON

- **To achieve realistic and effective training with PGS, BFV crews must be able to correctly start, align, and verify alignment of PGS to the BFV's turret weapons.**

TRAINING OBJECTIVE

- **Given an operational M2/M3 BFV with PGS installed and prepare-to-fire checks and boresighting completed, the crew will perform the following tasks:**
 - **Conduct system start-up IAW TM 9-6920-710-12&P-1**
 - **Conduct system alignment IAW TM 9-6920-710-12&P-1**
 - **Perform alignment verification**

CONTROL PANEL



CONTROL PANEL FUNCTIONS

- **Monitor ammunition and ammunition upload**
- **Result presentation: numerical/graphic**
- **System alignment**
- **BIT and error presentation**
- **Controller functions**
- **Data storage on TDRS memory card**

CONTROL PANEL MENU

F	SF	SF	SF	SF	SF	SF	SF
F	TTTTTTTTTTTTTTTTTTTTTTTTTT						
F	TTTTTTTTTTTTTTTTTTTTTTTTTT						
F	TTTTTTTTTTTTTTTTTTTTTTTTTT						
F	TTTTTTTTTTTTTTTTTTTTTTTTTT						
F	SSSSSSSSSSSSSSSSSSSSSSSSSS						

F = MAIN FUNCTION GROUP
SF = SUB-FUNCTION GROUP
T = TEXT AREA
S = SELECTION TITLE

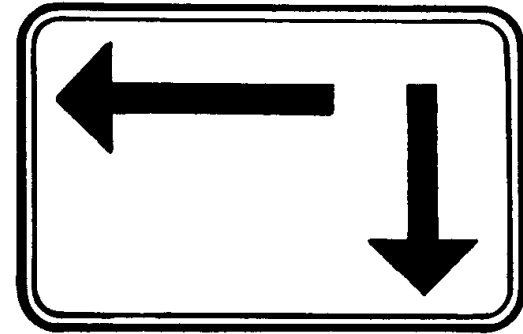
PUSHBUTTON FUNCTIONS

- **ENTER**
 - Access to menus
 - Saves/accepts data
- **ESC**
 - Aborts menu
 - Inhibits function/selection

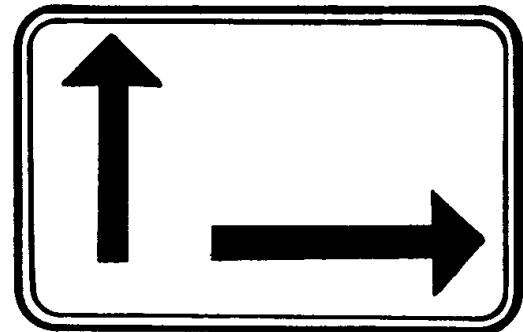


PUSHBUTTON FUNCTIONS

- **DOWN/LEFT**
 - Moves cursor down or left
 - Decreases values for data



- **UP/RIGHT**
 - Moves cursor up or right
 - Increases values for data



STARTUP PROCEDURE

- **Switch on vehicle master power**

BIT INDICATIONS

- **Control Panel indication (pop-up screen)**
- **Sound indication on vehicle intercom**
- **Visual indications in hit indicators**

SI	RM	GD					
AT	NO CONNECTION TRANSCIEVER UNIT						
AG							
SU							
TE							
CF	REMAINING AMMO.						

TROUBLESHOOTING PROCEDURE

- **Consult manual**

WARNING

Do NOT disconnect/connect cables with vehicle master power switch in ON position:

- **Damage can occur to PGS or BFV**
- **25 mm gun/turret could move suddenly and injure personnel**

ALIGNMENT

- **Alignment is the process where PGS is aligned to the BFV's turret weapons.**

VEHICLE SETTING DURING ALIGNMENT

- **Boresighted and operational BFV with PGS installed**
- **Range knob set to 0 m**
- **Aiming point of 25 mm/coax reticle**
- **Aiming point of TOW reticle**

PGS ALIGNMENTS

- **TOW weapon**
- **25 mm/coax weapon**

TOW WEAPON ALIGNMENTS

- **Cant alignment**
- **Laser alignment**
- **TBOS gunner alignment**
- **TBOS commander alignment**

25 MM/COAX WEAPON ALIGNMENTS

- **Laser alignment**
- **TBOS gunner alignment**
- **TBOS commander alignment**

SUMMARY

- **Startup procedures**
- **System alignment**
- **Alignment verification**

CLOSING STATEMENT

- **To achieve the desired training result with PGS, you must be able to correctly conduct startup, system alignment, and alignment verification of PGS to BFV turret weapons.**